## Claims

 (currently amended) A method for manufacturing a slider comprising the steps of:

applying a liquid solution of <u>a first solvent and polyvinyl alcohol</u> to the slider:

drying the slider to remove the first solvent from the liquid solution leaving a polyvinyl alcohol film on the slider;

binding the slider in a matrix material with the polyvinyl alcohol film being in contact with the matrix material:

performing a selected process on the slider while the slider is held in the matrix material; and

removing the matrix material and the alcohol film from the slider by a method including use of a <u>second\_first-solvent</u> to soften the polyvinyl alcohol film.

- 2. (currently amended) The method of claim 1 wherein the matrix material and the polyvinyl alcohol film are resistant to a second third solvent and the selected process forms an air-bearing pattern and includes use of the second third solvent.
- 3. (original) The method of claim 1 wherein the polyvinyl alcohol has a percentage hydrolysis of about 95% or greater.
- 4. (original)The method of claim 1 wherein the polyvinyl alcohol has a percentage hydrolysis of about 99% or greater.
- 5. (original) The method of claim 1 wherein the matrix material is an epoxy, acrylate, polyimide or silsesquioxane.
- 6. (currently amended) The method of claim 1 wherein the polyvinyl alcohol has a molecular weight of about 124k 124,000 to about 180k 180,000 daltons.

10/611528 2 of 5 HSJ920030008US1

- 7. (currently amended) The method of claim 1 wherein the liquid solution of polyvinyl alcohol first solvent comprises isopropanol.
- 8. (currently amended) The method of claim 2 wherein the liquid solution of polyvinyl alcohol first solvent comprises isopropanol and water.
- 9. (original) The method of claim 1 wherein the step of drying the slider further comprises baking at a first temperature followed by baking at a second temperature where the second temperature is higher than the first temperature.
- 10. (currently amended) The method of claim 1 wherein the first <u>second</u> solvent comprises hot n-methyl-2-pyrrolidone.
- 11. (currently amended) The method of claim 1 wherein the first second solvent comprises dimethylpropyl urea.
- 12. (currently amended) The method of claim 1 wherein the first second solvent comprises boiling water.
- 13. (original) A method for manufacturing sliders for use in disk drives comprising the steps of:

attaching the sliders to a support surface;
applying polyvinyl alcohol in a solution comprising water to the sliders;
drying the sliders leaving a coating of polyvinyl alcohol on the sliders;
binding the sliders in a solid material which is resistant to a first solvent
and to processing conditions of a selected photolithographic process;

using the selected photolithographic process to form air-bearing features on a surface of the sliders; and

applying a second solvent to soften the coating of polyvinyl alcohol to aid in removing the solid material from the sliders.

- 14. (original) The method of claim 13 wherein the polyvinyl alcohol has a percentage hydrolysis of about 95% or greater.
- 15. (original) The method of claim 13 wherein the matrix material is an epoxy, acrylate, polyimide or silsesquioxane.
- 16. (currently amended) The method of claim 13 wherein the polyvinyl alcohol has a molecular weight of about 124k 124,000 to about 180k 180,000 daltons.
- 17. (original) The method of claim 13 wherein the solution of polyvinyl alcohol comprises isopropanol.
- 18. (original) The method of claim 13 wherein the step of drying the slider further comprises baking at a first temperature followed by baking at a second temperature where the second temperature is higher than the first temperature.
- 19. (original) The method of claim 13 wherein the second solvent comprises hot n-methyl-2-pyrrolidone.
- 20. (original) The method of claim 13 wherein the second solvent comprises dimethylpropyl urea.
- 21. (original) The method of claim 13 wherein the second solvent comprises boiling water.